

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application.

### Listing of Claims:

1. (Currently amended) A polynucleotide comprising:  
distinct first and second transposase-interacting repeat sequence pairs, each sequence pair having a first member and a second member provided in an inverted orientation relative to the first member, each sequence pair having a specificity for binding to and interacting with a distinct transposase enzyme, the first sequence pair flanking the second sequence pair;  
and  
a first sequence for conferring selectability upon a host cell, wherein the selectability conferring sequence is ~~directly between members of distinct repeat sequence pairs~~ flanked by the first member of the first sequence pair and by the first member of the second sequence pair.
2. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 wild-type inside end sequences.
3. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 mosaic end sequences.
4. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 wild-type outside end sequences.
5. (Previously presented) A polynucleotide as claimed in Claim 1 further comprising between the members of the second inverted repeat sequence pair a second sequence for conferring selectability upon a host cell.

6. (Previously presented) A polynucleotide as claimed in Claim 5 further comprising, between the members of the second inverted repeat sequence pair, a polynucleotide that encodes a transposase that specifically binds to and interacts with the second sequence pair.

7. (Currently amended) A polynucleotide as claimed in Claim 6 further comprising an origin of replication ~~between the first adjacent pair of distinct inverted repeat sequences~~ flanked by the first member of the first sequence pair and by the first member of the second sequence pair.

8. (Currently amended) A polynucleotide as claimed in Claim 6 further comprising a preselected polynucleotide sequence insert ~~between a second adjacent pair of distinct inverted repeat sequences~~ flanked by the second member of the first sequence pair and by the second member of the second sequence pair.

9-18. (Cancelled)